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December 2002

Layered Coding Transport (LCT) Building Block

Publisher: RFC EditorFull text available: [Text](#) (72.59 KB)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 0, Downloads (Overall): 9, Citation Count: 3

Layered Coding Transport (LCT) provides transport level support for reliable content delivery and stream delivery protocols. LCT is specifically designed to support protocols using IP multicast, but also provides support to protocols that use unicast. ...

2 [Linux and the Alpha: How to Make Your Applications Fly, Part 2](#)[David Mosberger](#)

November 1997

Linux Journal, Volume 1997 Issue 43es**Publisher:** Specialized Systems Consultants, Inc.Full text available: [HTML](#) (31.16 KB)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 5, Downloads (Overall): 81, Citation Count: 0

Linux and the Alpha, How to Make Your Applications Fly, Part 2

3 [SETI@home: an experiment in public-resource computing](#)[David P. Anderson, Jeff Cobb, Eric Korpela, Matt Lebofsky, Dan Werthimer](#)

November 2002

Communications of the ACM, Volume 45 Issue 11**Publisher:** ACM [Request Permissions](#)Full text available: [HTML](#) (31.08 KB), [PDF](#) (303.31 KB)**Bibliometrics:** Downloads (6 Weeks): 21, Downloads (12 Months): 244, Downloads (Overall): 1834, Citation Count: 1

Millions of computer owners worldwide contribute computer time to the search for extraterrestrial intelligence, performing the largest computation ever.

4 [Transport Protocol Optimization for Energy Efficient Wireless Embedded Systems](#)[Davide Bertozzi, Anand Baghunathan, Luca Benini, Srivarth Savi](#)

March 2003

DATE '03: Proceedings of the conference on Design, Automation and Test in Europe - Volume 1, Volume 1**Publisher:** IEEE Computer SocietyFull text available: [PDF](#) (162.21 KB)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 28, Downloads (Overall): 304, Citation Count: 6

For wireless embedded systems, the power consumption in the network interface (radio) plays a dominant role determining battery life. In this paper, we explore transport protocol optimizations for reducing the energy consumption of wireless LAN interfaces. ...

5 [International Space Station Evolution Data Book - Volume 1. Baseline Design - Revision A](#)[Editor Catherine A. Jorgensen](#)

October 2000

International Space Station Evolution Data Book - Volume 1. Baseline Design - Revision A

Publisher: NASA Langley Technical Report ServerFull text available: [PDF](#) (3.48 MB)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 2, Downloads (Overall): 217, Citation Count: 0

This report provides a focused and in-depth look at the opportunities and drivers for the enhancement and evol of the International Space Station (ISS) during assembly and beyond the assembly complete stage. These enhancements would expand and improve ...

6 [SSL splitting: securely serving data from untrusted caches](#)

[Chris Lesniewski-Laas, M. Frans Kaashoek](#)

August 2003 **SSYM'03: Proceedings of the 12th conference on USENIX Security Symposium - Volume 12**
Volume 12

Publisher: USENIX Association

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

A popular technique for reducing the bandwidth load on Web servers is to serve the content from proxies. Typic these hosts are trusted by the clients and server not to modify the data that they proxy. SSL splitting is a new technique for guaranteeing ...

7 [Agent technology in communications systems: an overview](#)

[Alex L. G. Hayzeiden, John Bigham](#)


December 1999 **The Knowledge Engineering Review**, Volume 14 Issue 4

Publisher: Cambridge University Press

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:


Telecommunications infrastructures are a natural application domain for the distributed software agent paradigm. The authors clarify the potential application of software agent technology in legacy and future communications systems, and provide an overview ...

8 [Condor grid computing from mobile handheld devices](#)

 [Francisco J. González-Castaño, Javier Vales-Alonso, Miron Livny, Enrique Costa-Montenegro, Luis Anido-Rifón](#)

April 2002 **SIGMOBILE Mobile Computing and Communications Review**, Volume 6 Issue 2

Publisher: ACM

Full text available:  [PDF](#) (199.54 KB)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 28, Downloads (Overall): 904, Citation Count: 4

In this paper, we propose a hierarchical design methodology for grid access from handheld devices. After determining all user interactions required and technologies available, they are arranged in layers. All functions layer are also supported by ...

9 [Peer to Peer: Peering into the Future](#)

[Jon Crowcroft, Ian Pratt](#)

May 2002 Advanced Lectures on Networking, NETWORKING 2002 [This book presents the revised version of se tutorials given at the NETWORKING 2002 Conference in Pisa, Italy in May 2002]

Publisher: Springer-Verlag

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:


In this paper, we survey recent work on peer-to-peer systems, and venture some opinions about future requirements for research. The paper is a survey to support the tutorial at the Networks 2002 Conference and is therefore neither complete, nor likely ...

10 [Database Allocation Strategies for Parallel BLAST Evaluation on Clusters](#)

[Rogério Luis De Carvalho Costa, Sérgio Litschitz](#)

January 2003 **Distributed and Parallel Databases**, Volume 13 Issue 1

Publisher: Kluwer Academic Publishers


Full text available:  [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

In this work we investigate the parallel evaluation of BLAST, the most popular tool for comparing biological sequences. Our goal is to study database distribution issues that, besides workload balancing, could improve th performance of a set of BLAST ...



Keywords: BLAST, data distribution, database design, parallelism, workstation clusters

11 [Emerging mobile and wireless networks](#)

 [Upkar Varshney, Ron Vetter](#)

June 2000 **Communications of the ACM**, Volume 43 Issue 6

Publisher: ACM  [Request Permissions](#)

Full text available:  [HTML](#) (36.15 KB),  [PDF](#) (609.43 KB)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 219, Downloads (Overall): 5464, Citation Count

12 [Multipurpose Web publishing using HTML, XML, and CSS](#)

[Håkon Wium Lie](#), [Janne Saarela](#)

October 1999

Communications of the ACM, Volume 42 Issue 10

Publisher: ACM [Request Permissions](#)

Full text available: [HTML](#) (31.20 KB), [PDF](#) (534.90 KB)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 98, Downloads (Overall): 1849, Citation Count: 1

13 [News on-demand for multimedia networks](#)

[Gene Miller](#), [Greg Baber](#), [Mark Gilliland](#)

September 1993

MULTIMEDIA '93: Proceedings of the first ACM international conference on Multimed

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (106.03 KB), [PS](#) (1.21 MB)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 80, Downloads (Overall): 813, Citation Count: 15

Keywords: authoring, database, digital video, information service, messaging, networked multimedia, news, retrieval, wideband

14 [Virtual private networks: a model for assessing alternatives](#)

[David Yan](#), [Douglas Havelka](#), [David C. Chou](#)

July 2002

International Journal of Networking and Virtual Organisations, Volume 1 Issue 1

Publisher: Inderscience Publishers

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Many companies are beginning to see the importance of virtual private networks (VPNs) as a corporate network solution primarily because of the access, flexibility, cost and level of security these networks can offer. Rather than using dedicated ...

Keywords: Networking, VPN

15 [A FreeBSD based low cost broadband VPN router for a telemedicine application](#)

[Günther Schadow](#)

February 2002

BSDC'02: Proceedings of the BSD Conference 2002 on BSD Conference

Publisher: USENIX Association

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

The author developed a small low cost broadband networking router using FreeBSD to support a telemedicine application. Our router design provides IPsec based virtual private networking (VPN) and quality of service (QoS) arrangements, simultaneously supporting ...

16 [Scaling Up the TREC Collection](#)

[David Hawking](#), [Paul Hirstlewaite](#), [Donna Harman](#)

May 1999

Information Retrieval, Volume 1 Issue 1-2

Publisher: Kluwer Academic Publishers

Full text available: [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Due to the popularity of Web search engines, a large proportion of real text retrieval queries are now processed over collections measured in tens or hundreds of gigabytes. A new Very Large test Collection (VLC) has been created to support ...

Keywords: test collection, text retrieval, very large databases

17 [Delivery of IP over Broadband Access Technologies](#)

[M. Enrico](#), [M. Billington](#), [J. Kelly](#), [G. Young](#)

July 2000

BT Technology Journal, Volume 18 Issue 3


Publisher: Kluwer Academic Publishers

Full text available: [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:


This paper provides an overview of the broadband access technologies that can be used to deliver IP-based services. It describes BT's architecture for delivery of IP services over asymmetric digital subscriber line (ADSL) then explains the evolution ...

18 [Scalable on-demand media streaming with packet loss recovery](#)

 [Anirban Mahanti](#), [Derek L. Eager](#), [Mary K. Vernon](#), [David Sundaram-Stukel](#)

August 2001 **SIGCOMM '01**: Proceedings of the 2001 conference on Applications, technologies, architectures, and protocols for computer communications

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (230.25 KB)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 15, Downloads (Overall): 468, Citation Count: 11

Inspired by recent techniques for reliable bulk data distribution, this paper develops scalable protocols for reliable on-demand delivery of streaming media. Models are developed that quantify the best possible scalability for given client characteristics. ...

Also published in:

October 2001 **SIGCOMM Computer Communication Review** Volume 31 Issue 4


19 [The Use of Satellite for Multimedia Communications](#)

[M. Fitch](#)

August 2003

BT Technology Journal, Volume 21 Issue 3


Publisher: Kluwer Academic Publishers

Full text available:  [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

This paper is a discussion of the issues relating to the use of satellite to deliver multimedia services. Following an introduction to satellite services and comparison with terrestrial services, the factors affecting cost and performance are addressed ...


20 [Peer-to-peer architecture for content-based music retrieval on acoustic data](#)

 [Cheng Yang](#)

May 2003

WWW '03: Proceedings of the 12th international conference on World Wide Web

Publisher: ACM

Full text available:  [Pdf](#) (146.73 KB)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 24, Downloads (Overall): 1090, Citation Count: 2





In traditional peer-to-peer search networks, operations focus on properly labeled files such as music or video, and the actual search is often limited to text tags. The explosive growth of available multimedia documents in recent years calls for more ...

Keywords: acoustic data, content-based music retrieval, distributed, load balancing, peer-to-peer, resource pooling

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